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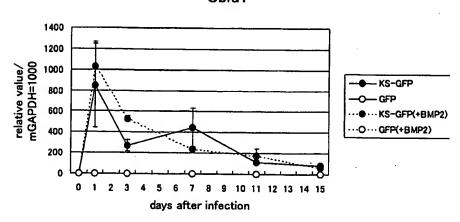
RU-1

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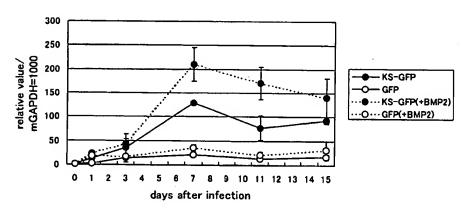
FIG. 3



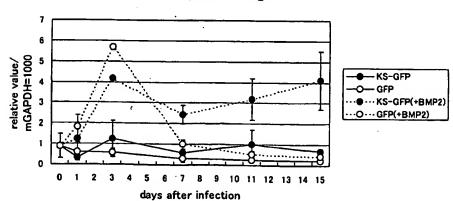
### Cbfa1



### PTH/PTHrPR



### TypeX Collagen

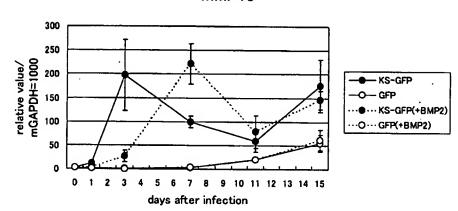


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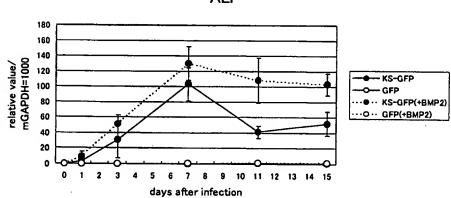
FIG. 3 (cont.)

В

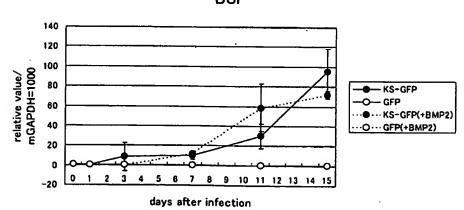








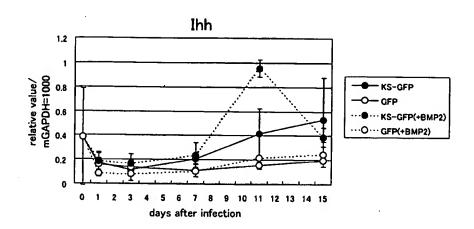
### **BSP**



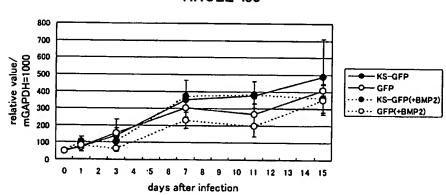
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FIG. 4

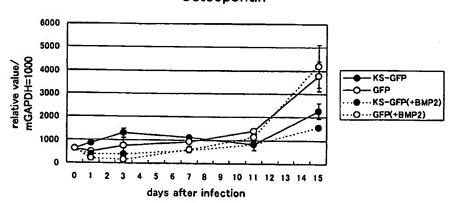
A



### HNOEL-iso



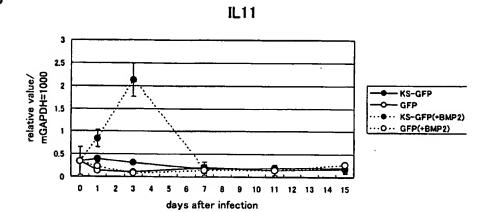
### Osteopontin



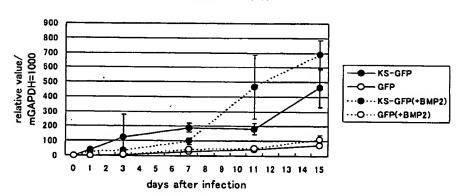
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# FIG. 4 (cont.)

В

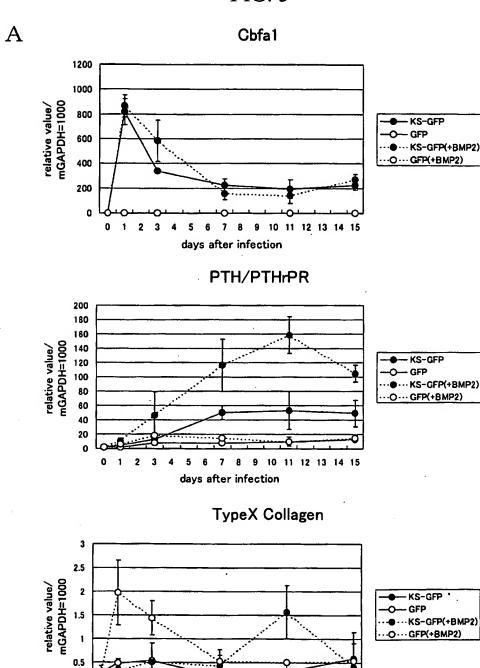


### Osteocalcin



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FIG. 5



days after infection

10

11 12 13 14 15

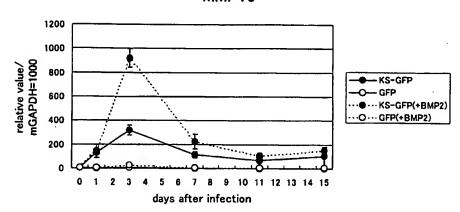
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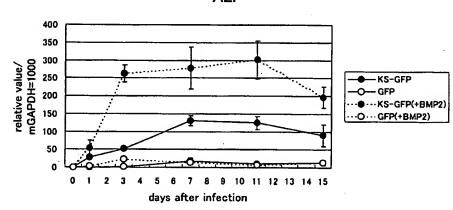
# FIG. 5 (cont.)

В

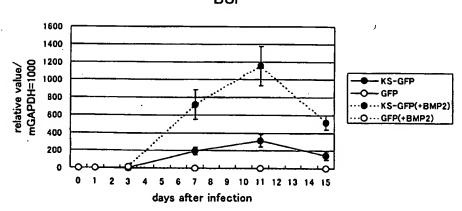








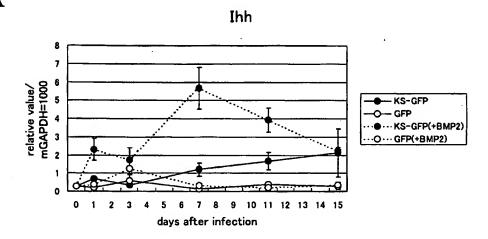
#### **BSP**



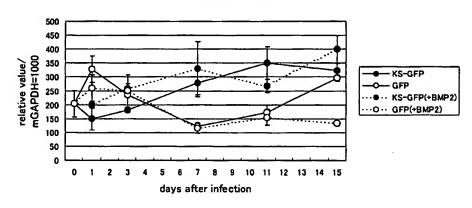
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FIG. 6

. A



### HNOEL-iso.

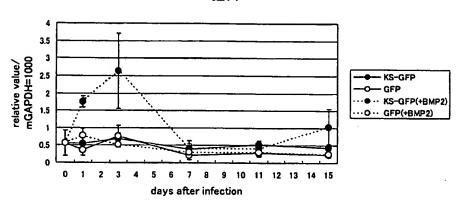


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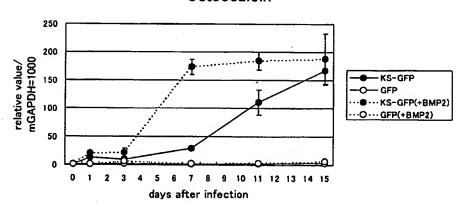
# FIG. 6 (cont.)

В

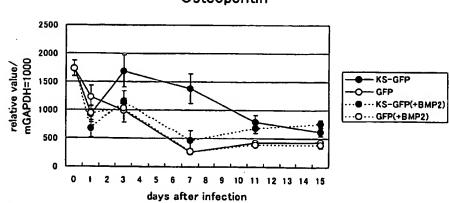




### Osteocalcin



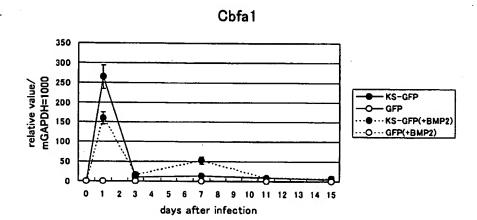
### Osteopontin



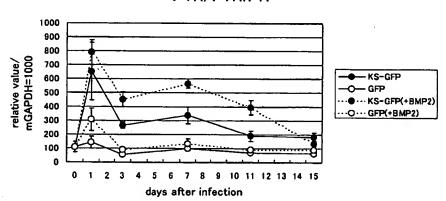
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### FIG. 7

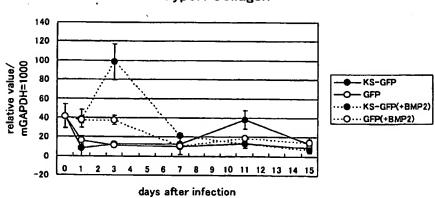
A



### PTH/PTH/PR



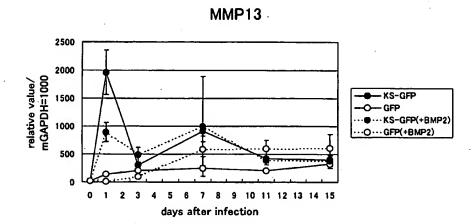
TypeX Collagen

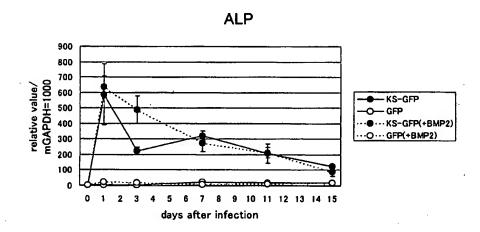


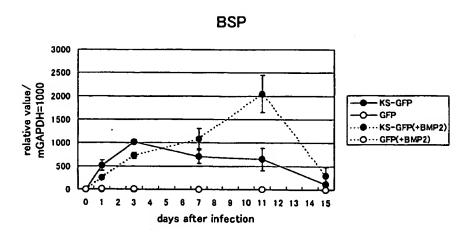
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# FIG. 7 (cont.)

В



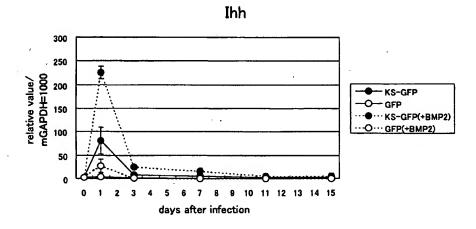




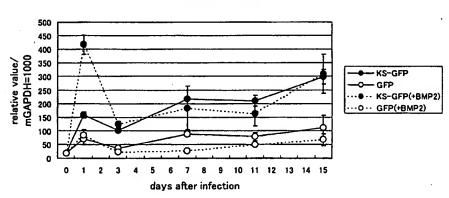
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FIG. 8

Α



### HNOEL-iso

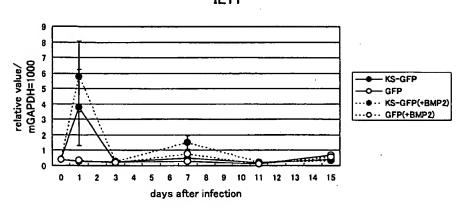


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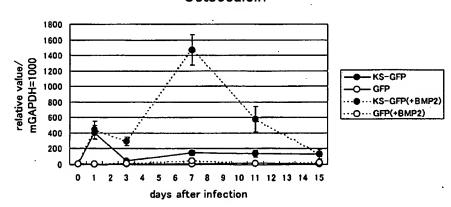
# FIG. 8 (cont.)

В

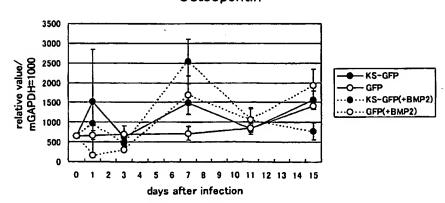
**IL11** 



#### Osteocalcin



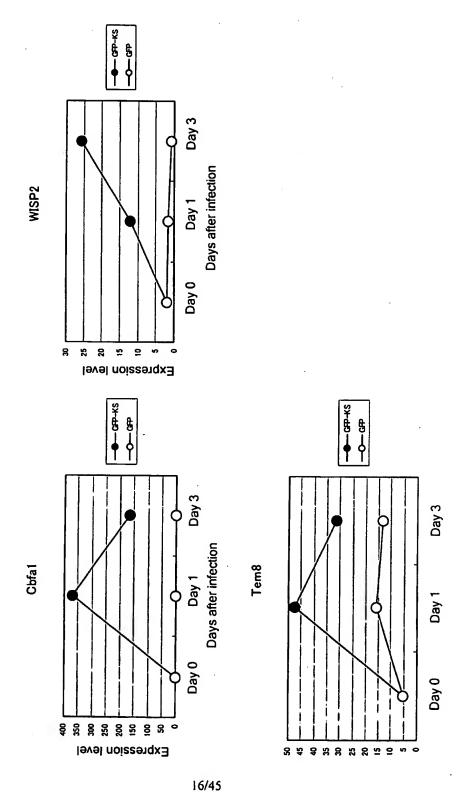
### Osteopontin

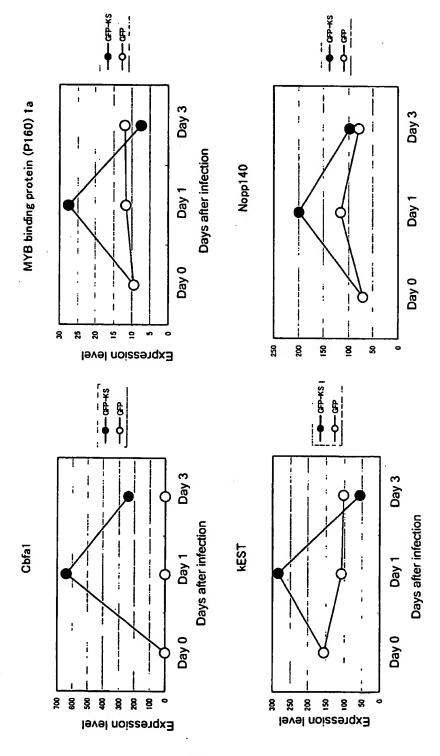


NM 015736

Genes induced in R	uced in RU-1 chondrocyte cell line	
Induction factor	Gene name	Accession No.
2.1	alkaline phosphatase 2, liver	AA517588
2.1	WNT1 inducible signaling pathway protein 2 (WISP 2)	AA754979
1.8	RIKEN cDNA 231 0008 Jl 6 gene (Tem8)	AA416380
Genes induced in R	uced in RU-22 chondrocyte cell line	
Induction factor	Gene name	Accession No.
1.9	DNA segment, Chr 13, Wayne State University 123, expressed (k EST)	AA397280
1.8	MYB binding protein (P160) 1a (MYBbp1a)	AA607245
1.7	RIKEN cDNA 3230402K17 gene (Nappl 40)	AA415905
1.7	alkaline phosphatase 2, liver	AA517588
Runx2/Cbf	Runx2/Cbfa1-induced genes in primary chondrocytes	
Induction factor	Gene name	Accession No.
92.12	"MUS MUSCULUS INTERLEUKIN 11 (1111), MRNA"	NM 008350
36.83	MMBRP39 M.MUSCULUS MRNA FOR BRP39 PROTEIN	X93035
27.47	"MUS MUSCULUS PLACENTAL GROWTH FACTOR (PGF), MRNA"	NM 008827
22.02	" MUS MUSCULUS HEMOPOIETIC CELL KINASE (HCK), MRNA"	NM 010407
19.55	"MUS MUSCULUS ALKALINE PHOSPHATASE 2, LIVER (AKP2), MRNA"	NM 007431
9.24	"MUS MUSCULUS INDIAN HEDGEHOG HOMOLOG, (DROSOPHILA) (IHH), MRNA"	NM 010544
17.7	"MUS MUSCULUS MATRIX METALLOPROTEINASE 13 (MMP13), MRNA"	VIM 008607
7.63	"MUS MUSCULUS LYSYL OXIDASE-LIKE PROTEIN 2 MRNA, PARTIAL CDS"	AF1 1 7951
3	"MUS MUSCULUS PROTEIN TYROSINE PHOSPHATASE, RECEPTOR-TYPE, F INTERACTING	
2	PROTEN, BINDING PROTEN 2 (PPFIBP2), MRNA"	NM 008905
6.48	"MUS MUSCULUS WNT1 INDUCIBLE SIGNALING PATHWAY PROTEIN 1 (WISP!), MRNA"	NM 01 8865
Y.	"MUS MUSCULUS UDP-N-ACETYL-ALPHA-D-GALACTOSAMINE:POLYPEPTIDE N-	
3	ACETYLGALACTOSAMINYLTRANSFERASE 3 (GALNT3), MRNA"	NM 015736

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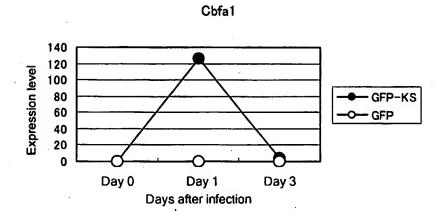




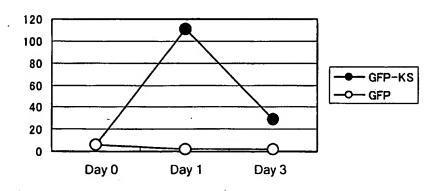
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FIG. 12

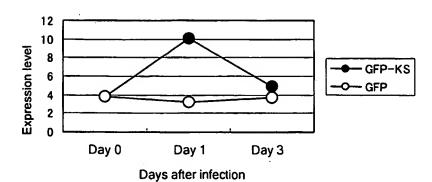
A



### 12. HEMOPOIETIC CELL KINASE (HCK)

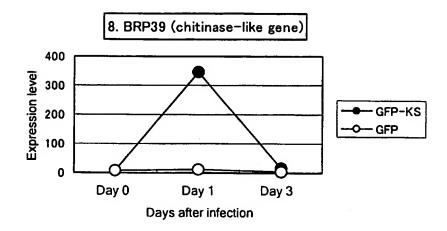


### 6.PLACENTAL GROWTH FACTOR (PGF)

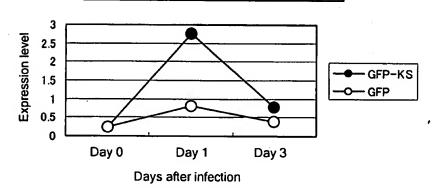


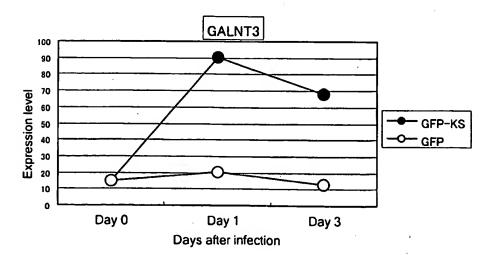
# FIG. 12 (cont.)





### 6. Lysyl Oxidase-like Protein 2 (LOLP2)



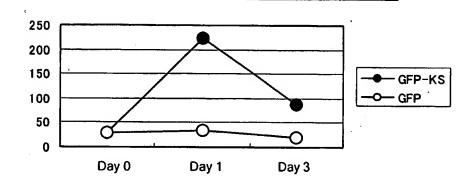


19/45

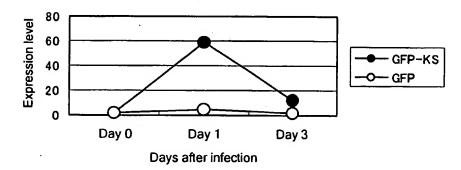
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### FIG. 12 (cont.)

C 13.WNT1 Inducible Signaling Pathway Protein 1 (WISP1)



5. Protein Tyrosine Phosphatase, Receptor-type, F interacting protein binding protein 2 (PPFI)

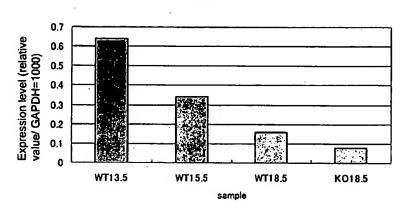


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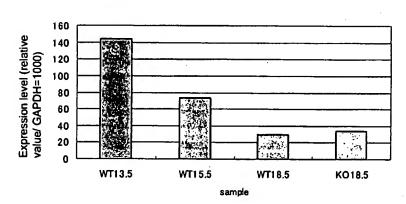
FIG. 13

Α

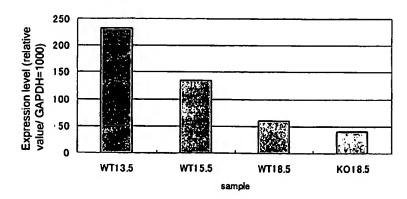
Cbfa1



Tem8



k.EST

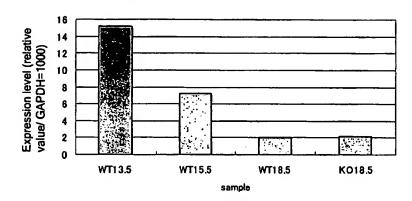


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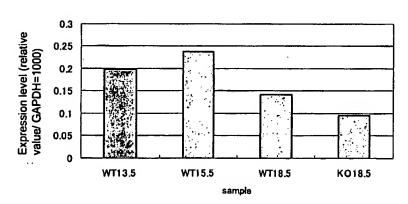
# FIG. 13 (cont.)

В

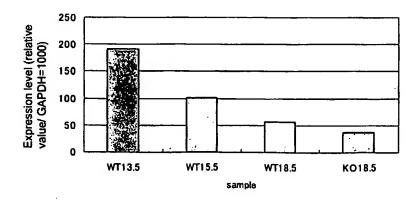
#### MYB binding protein (P160) 1a



#### WISP2



Nopp140

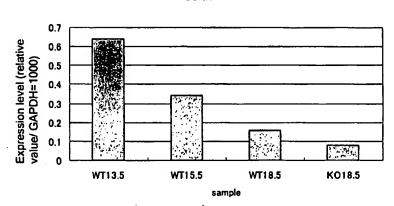


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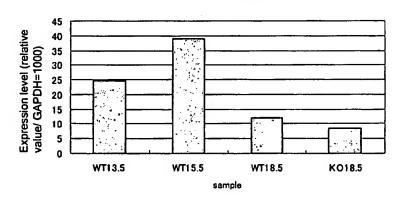
### FIG. 14

A

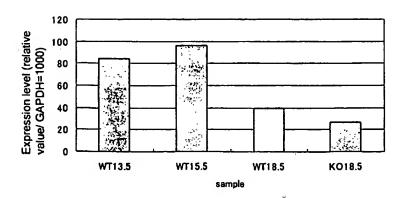
Cbfa1



#### BRP39 (chitinase-like gene)



WNT1 Inducible Signaling Pathway Protein 1 (WISP1)

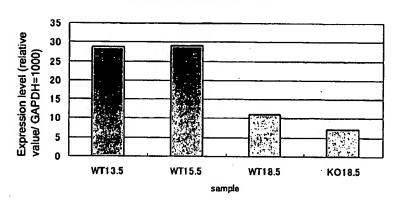


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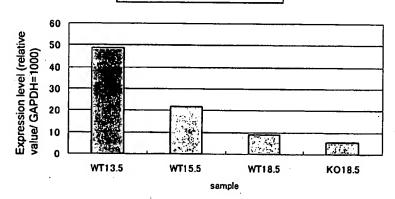
# FIG. 14 (cont.)

В

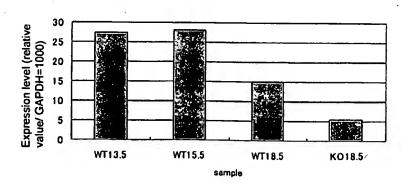
#### Placental Growth Factor (PIGF)



#### Hemopoietic Cell Kinase(HCK)



#### Protein Tyrosine Phosphatase, Reseptor-Type, F Interacting Protein, Binding Protein 2 (PPFIBP2)

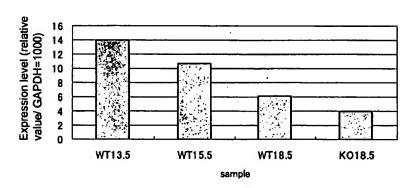


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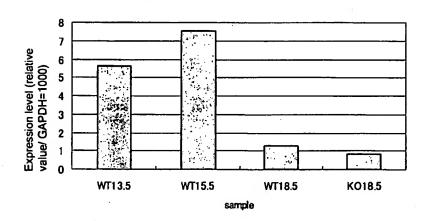
# FIG. 14 (cont.)

C

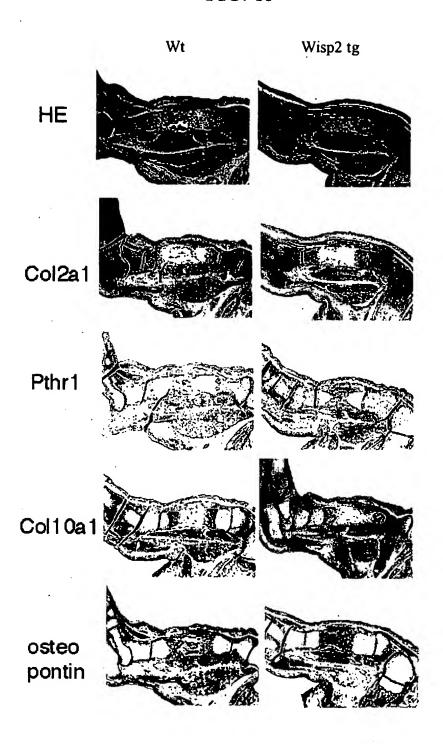
#### UDP-N-ACETYL-ALPHA-D-GALACTOSAMINE:POLYPEPTIDE N-ACETYLGALACTOSAMINYLTRANSFERASE 3 (GALNT3)

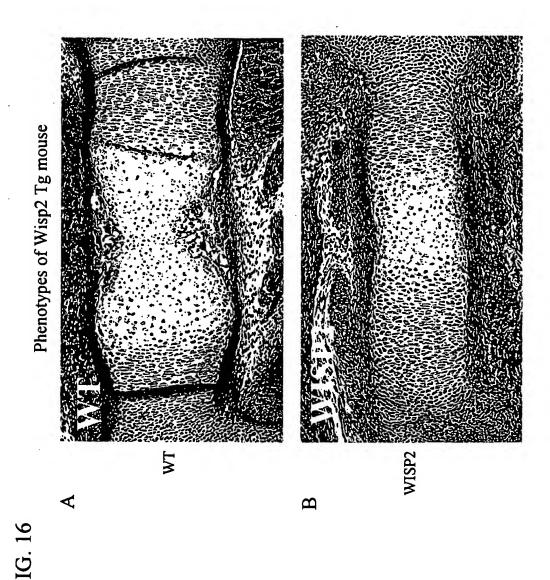


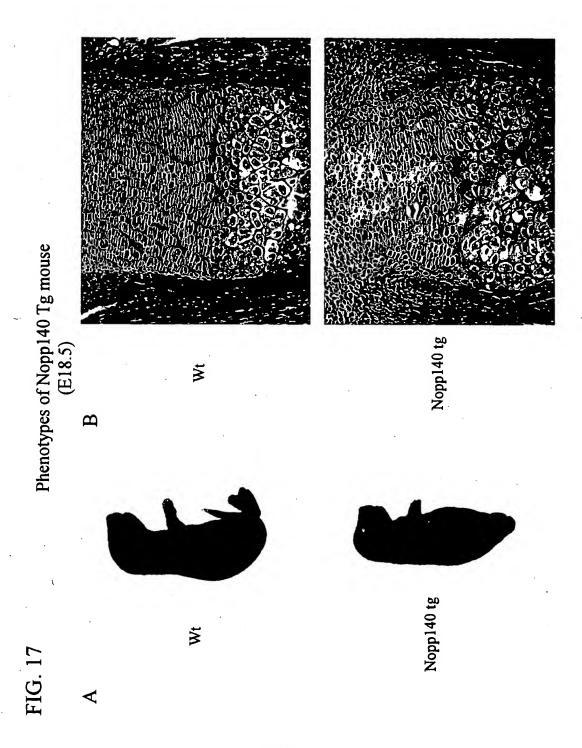
#### Lysyl Oxiase-Like Protein 2 (LOXL2)



# FIG. 15







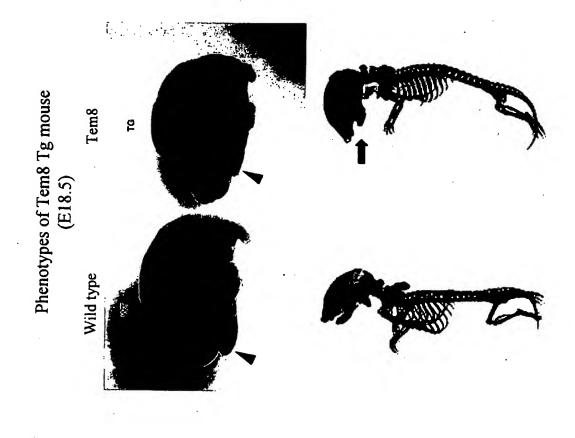
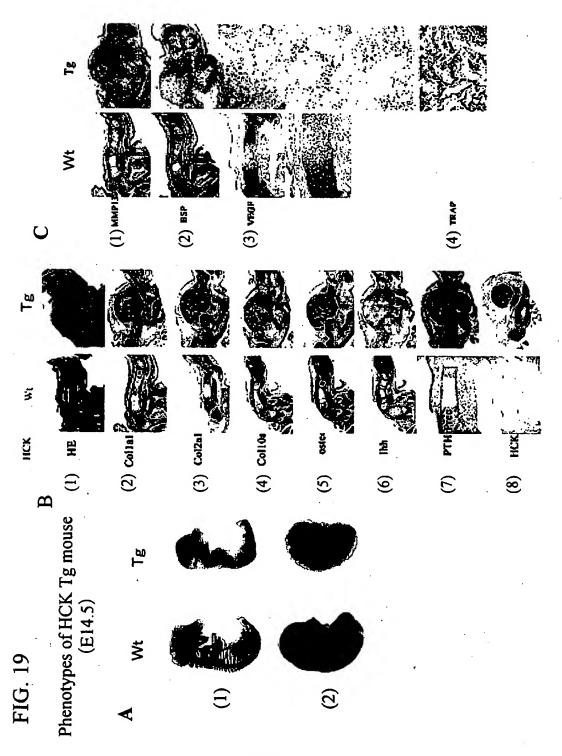
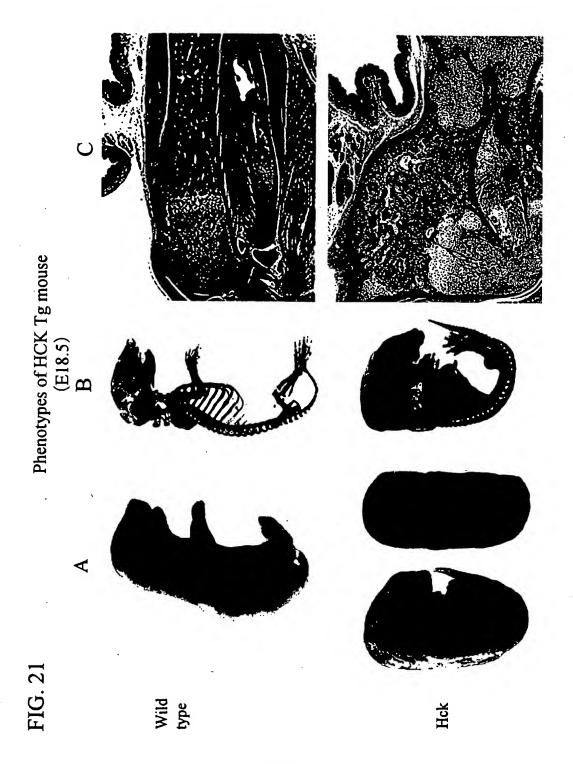


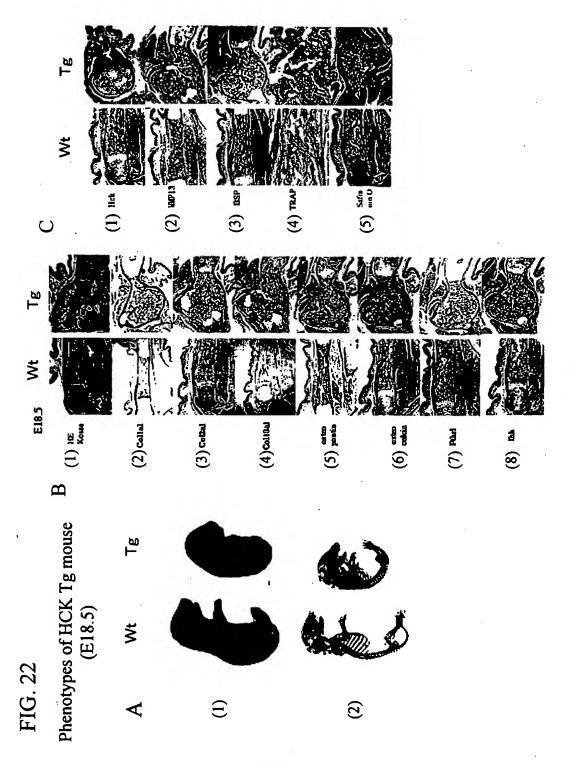
FIG. 13

B



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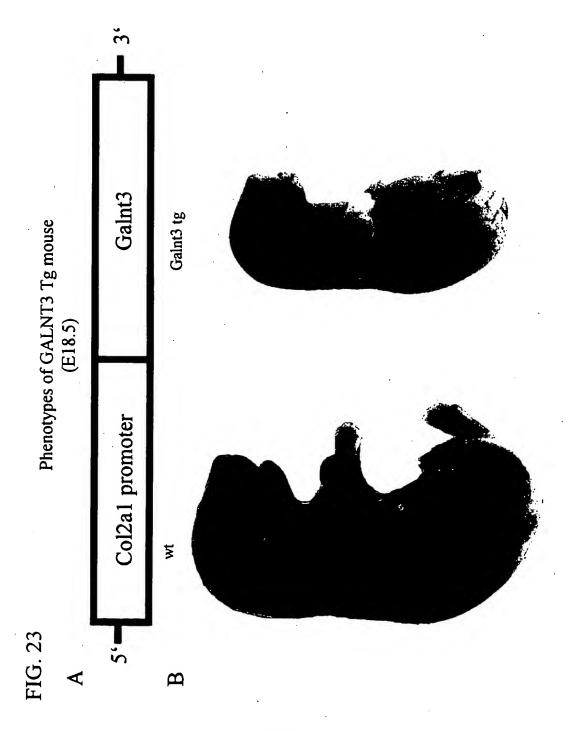
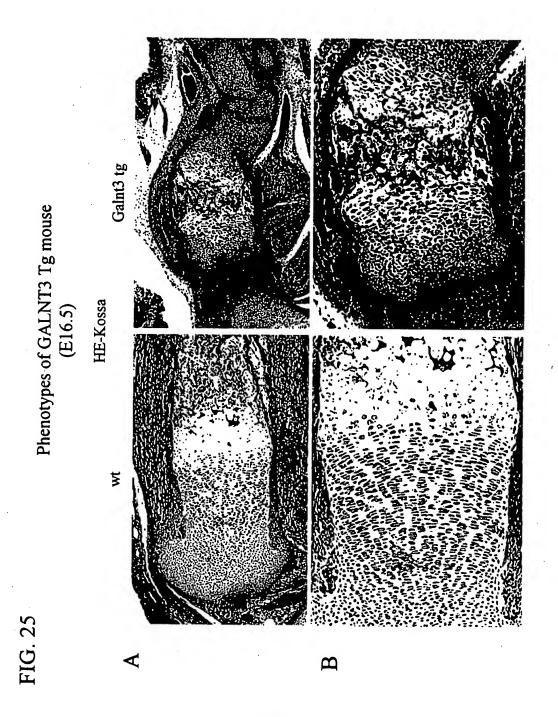
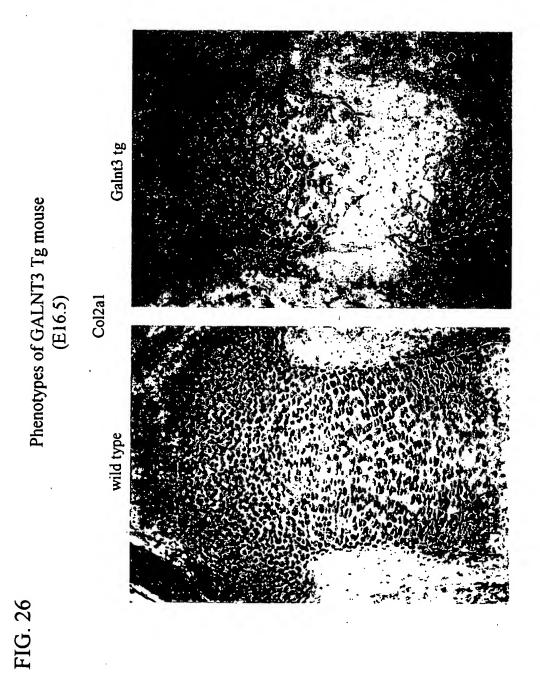


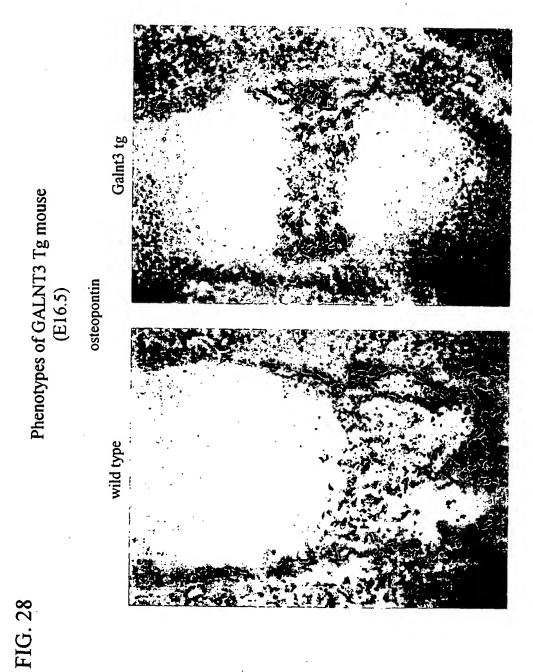
FIG. 24

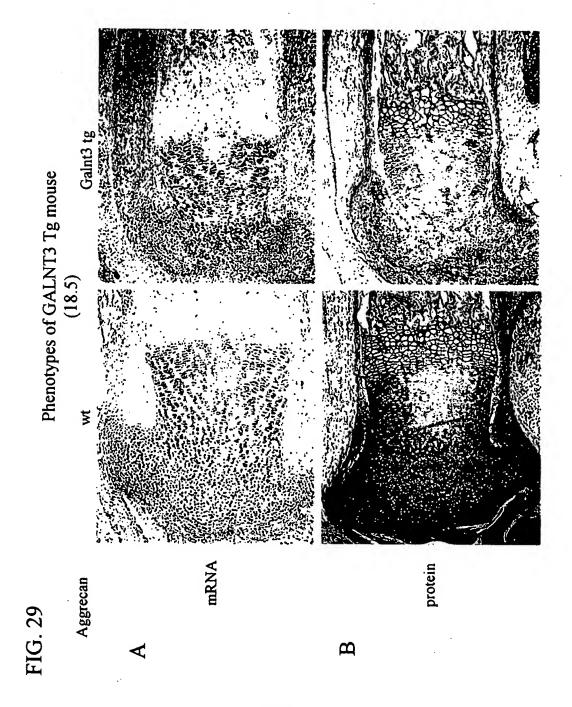
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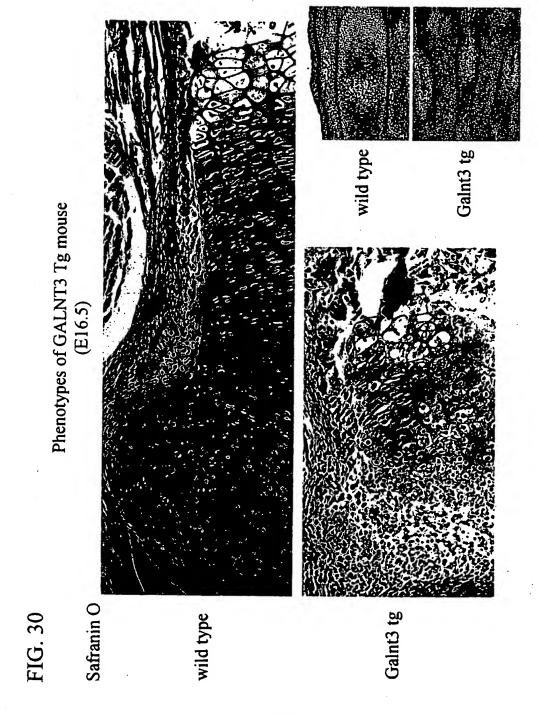


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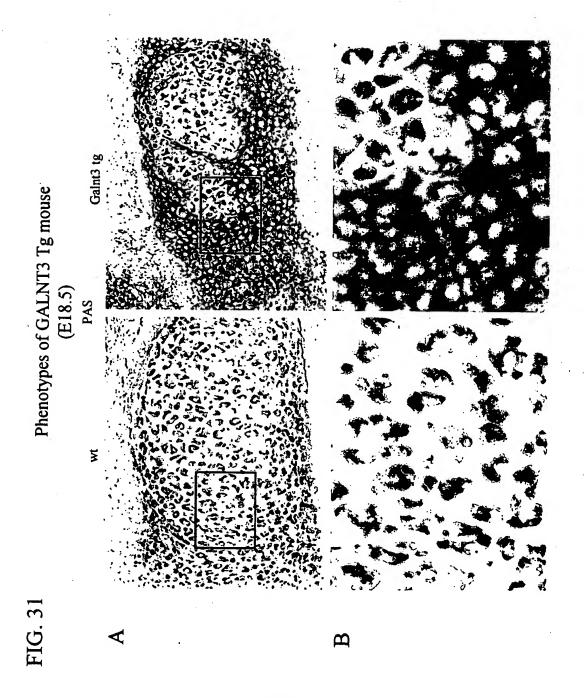








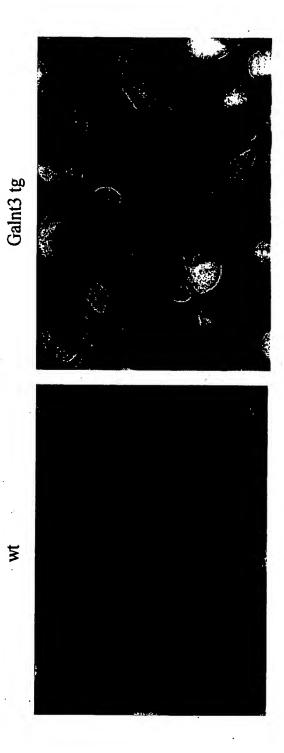
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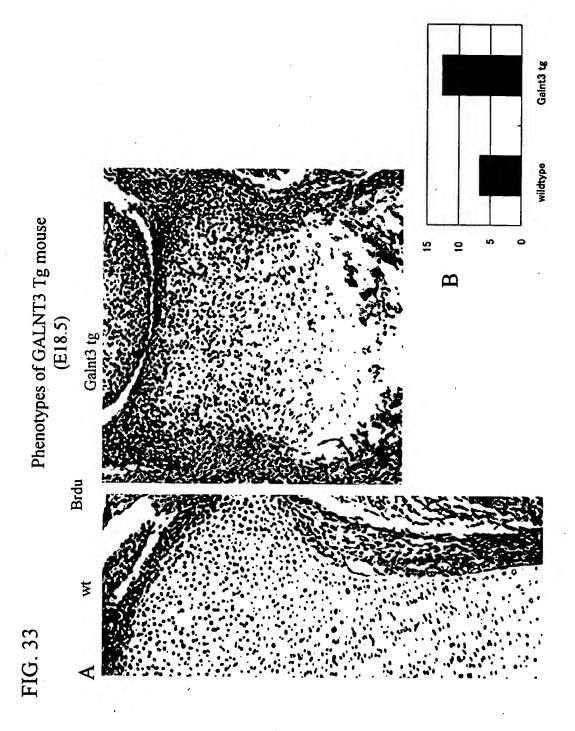
Phenotypes of GALNT3 Tg mouse (18.5)

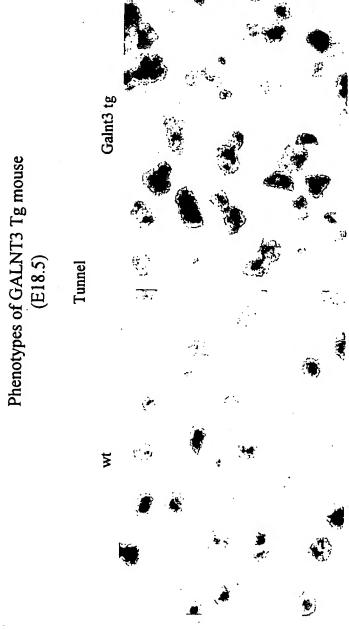
Fibronectin

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